

FIG. 1

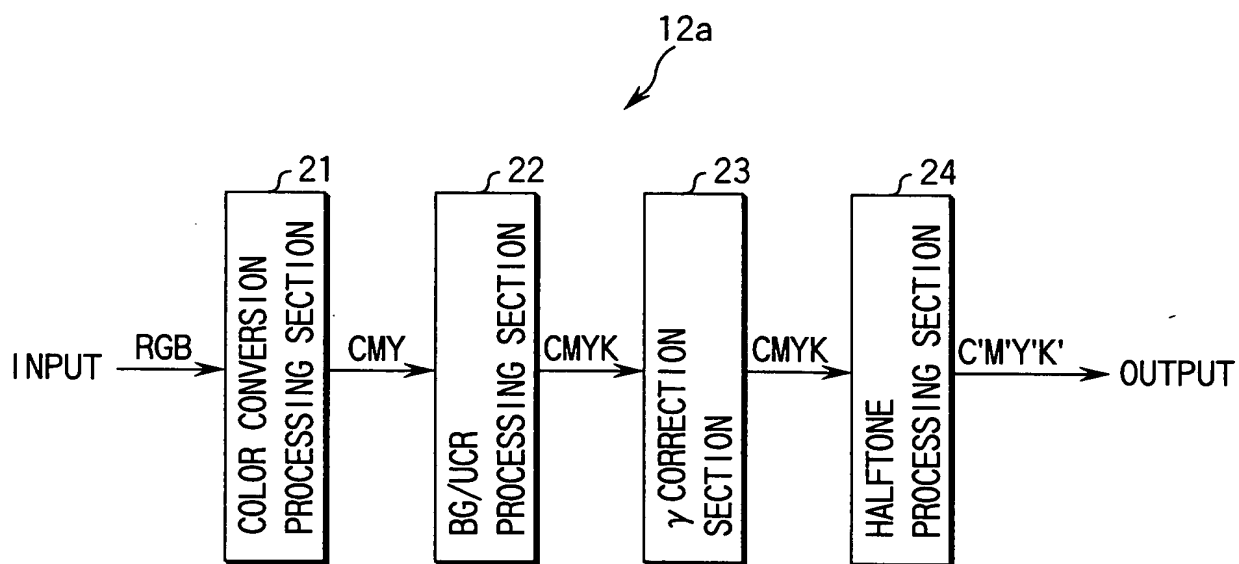


FIG. 2

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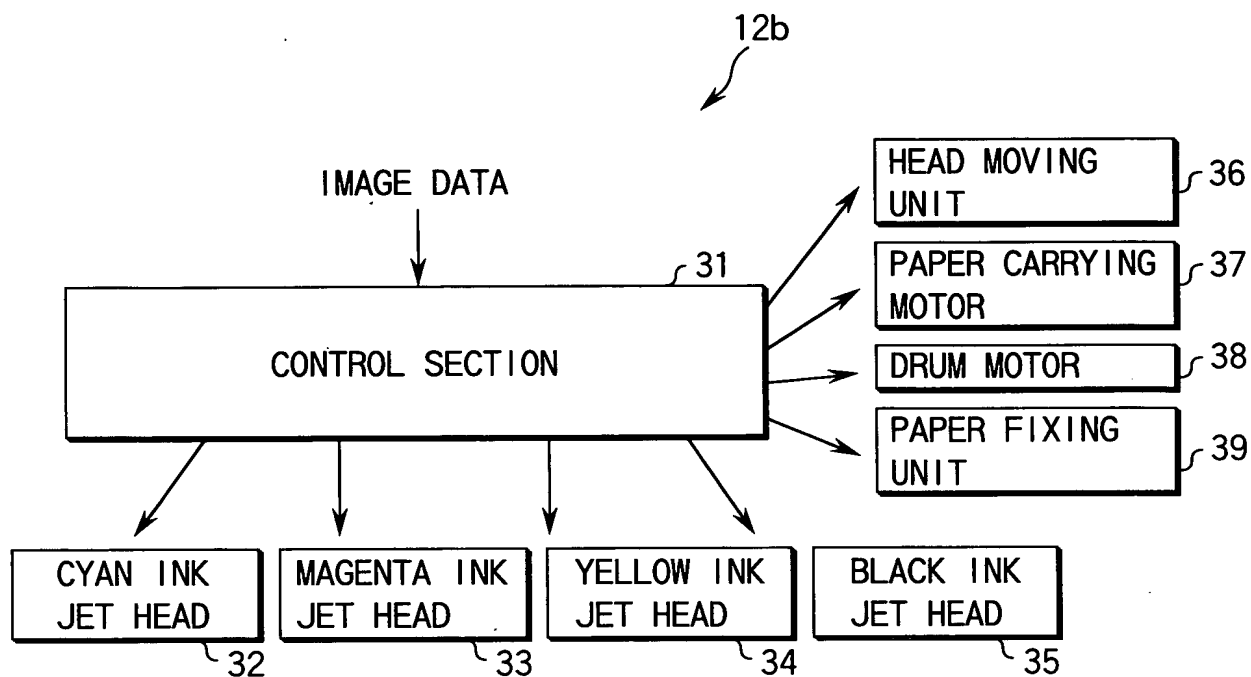


FIG. 3

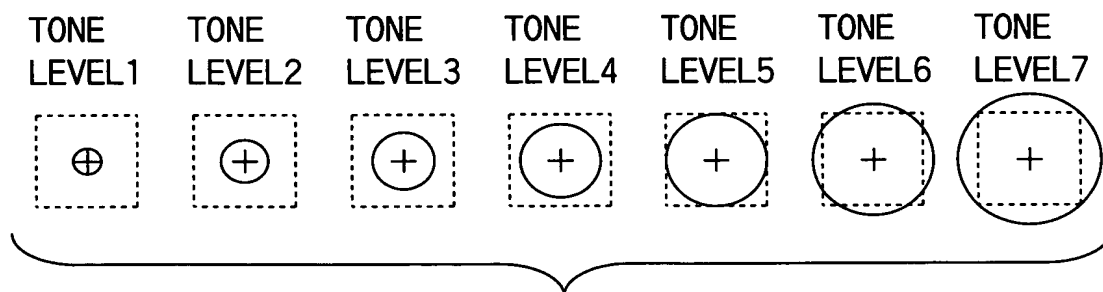


FIG. 4

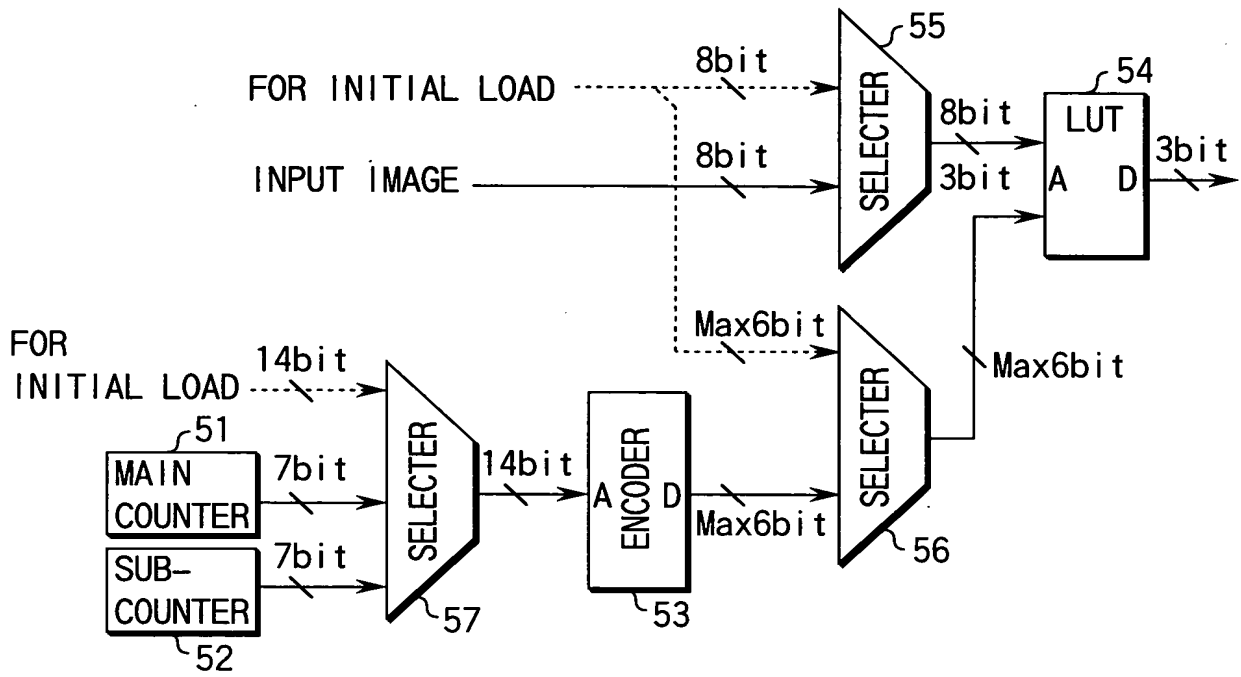


FIG. 5

7	8	5	6
4	1	2	3
5	6	7	8
2	3	4	1

FIG. 6

FIG. 7A

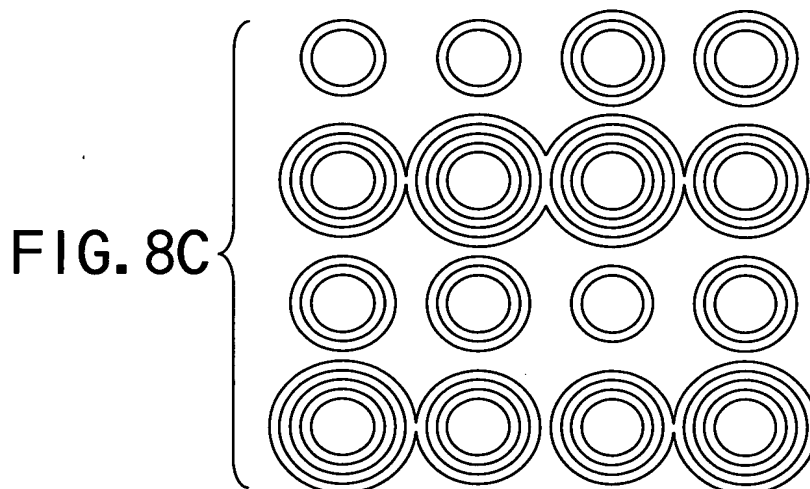
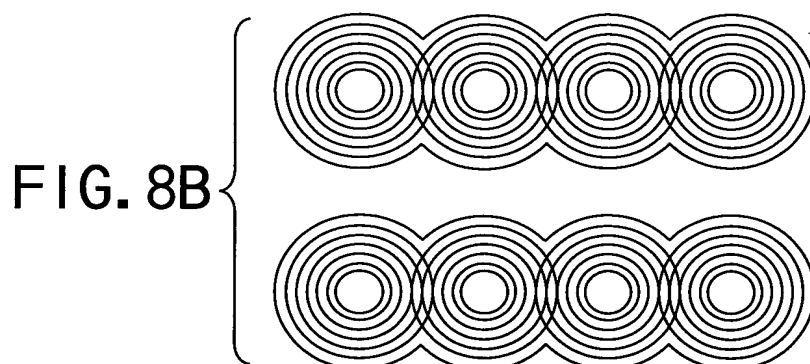
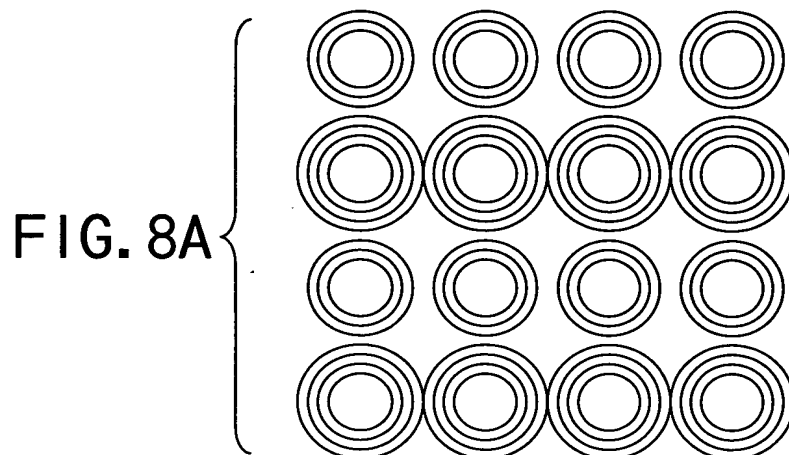
		REFERENCE THRESHOLD							
THRESHOLD PLANE		1	2	3	4	5	6	7	8
	1	1	2	3	4	5	6	7	8
	2	9	10	11	12	13	14	15	16
	3	17	18	19	20	21	22	23	24
	4	25	26	27	28	29	30	31	32
	5	33	34	35	36	37	38	39	40
	6	41	42	43	44	45	46	47	48
	7	49	50	51	52	53	54	55	56

FIG. 7B

		REFERENCE THRESHOLD							
THRESHOLD PLANE		1	2	3	4	5	6	7	8
	1	1	8	15	22	29	36	43	50
	2	2	9	16	23	30	37	44	51
	3	3	10	17	24	31	38	45	52
	4	4	11	18	25	32	39	46	53
	5	5	12	19	26	33	40	47	54
	6	6	13	20	27	34	41	48	55
	7	7	14	21	28	35	42	49	56

FIG. 7C

		REFERENCE THRESHOLD							
THRESHOLD PLANE		1	2	3	4	5	6	7	8
	1	1	2	5	6	11	12	19	20
	2	3	4	9	10	17	18	27	28
	3	7	8	15	16	25	26	35	36
	4	13	14	23	24	33	34	43	44
	5	21	22	31	32	41	42	49	50
	6	29	30	39	40	47	48	53	54
	7	37	38	45	46	51	52	55	56



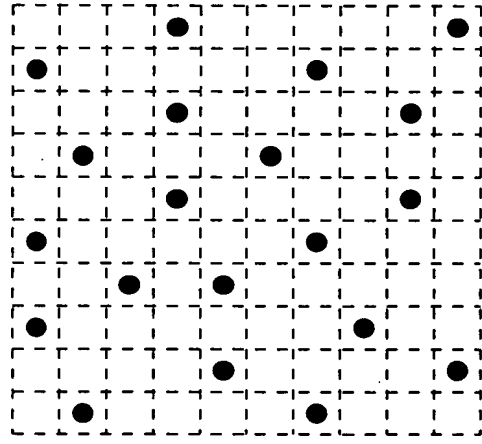


FIG. 9A

FIRST THRESHOLD
PLANE PROCESSING

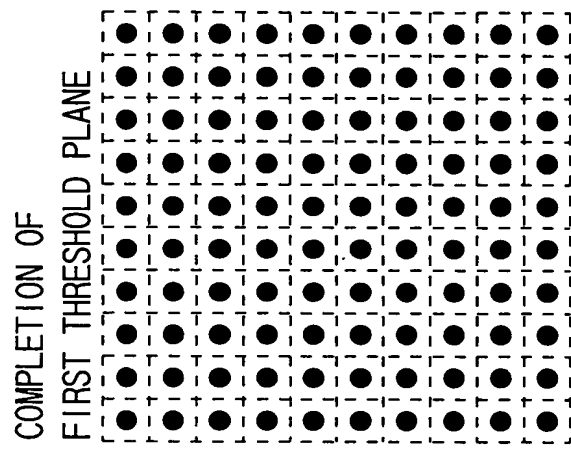
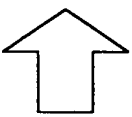


FIG. 9B

SECOND THRESHOLD
PLANE PROCESSING

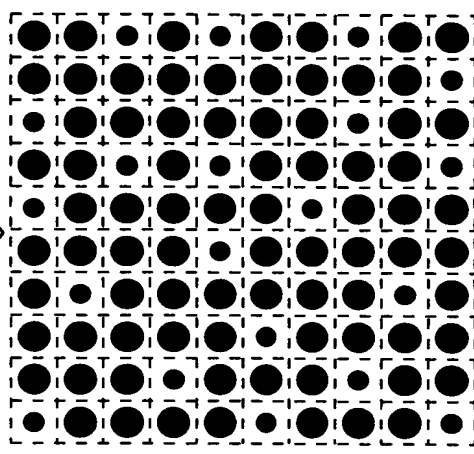
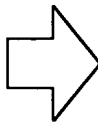


FIG. 9C

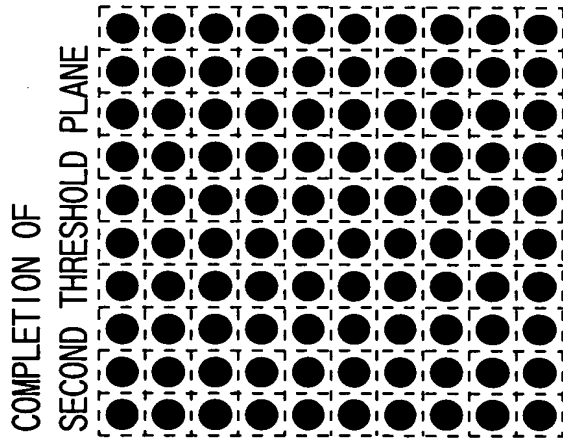
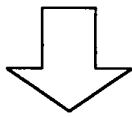


FIG. 9D



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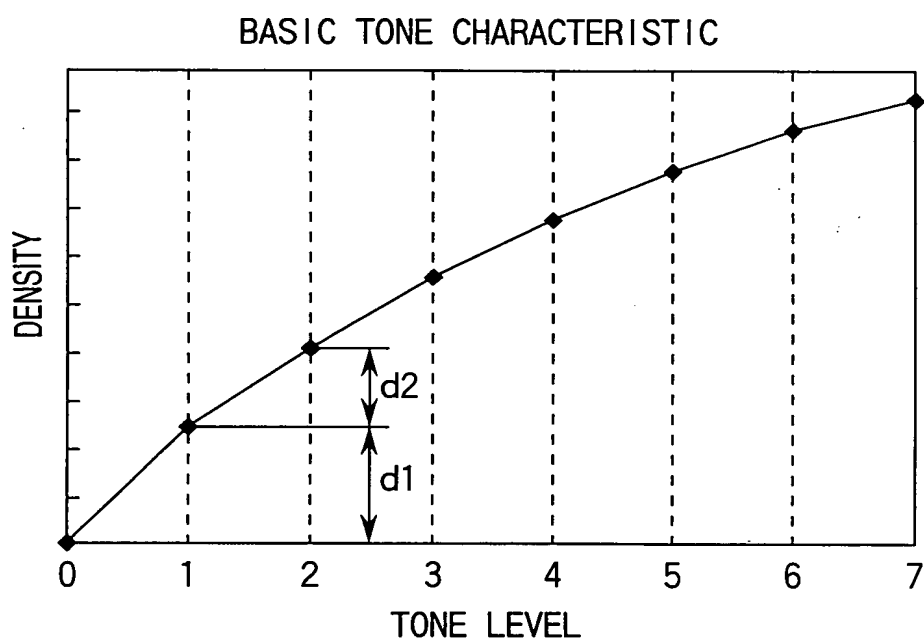


FIG.10

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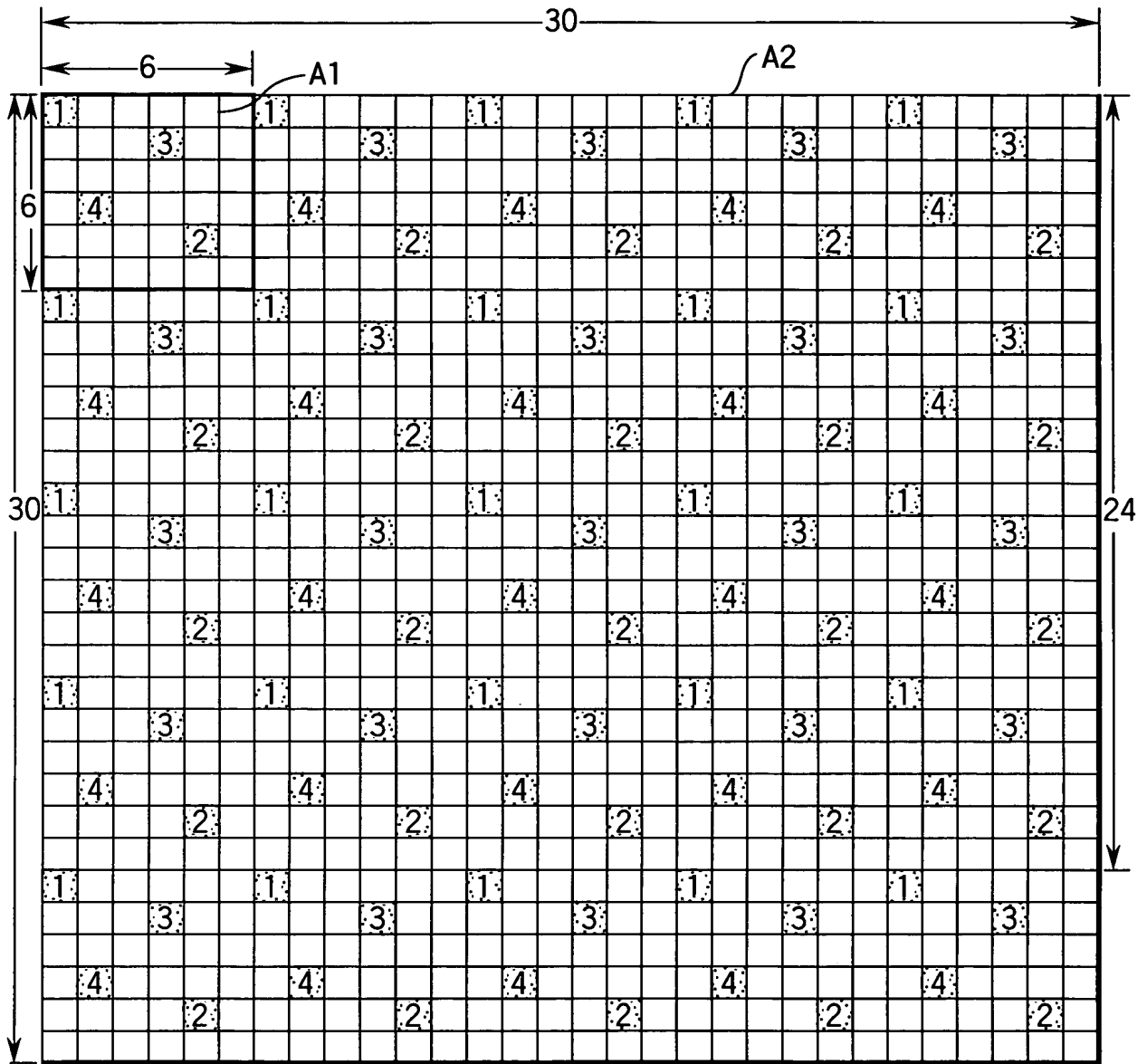


FIG. 11A

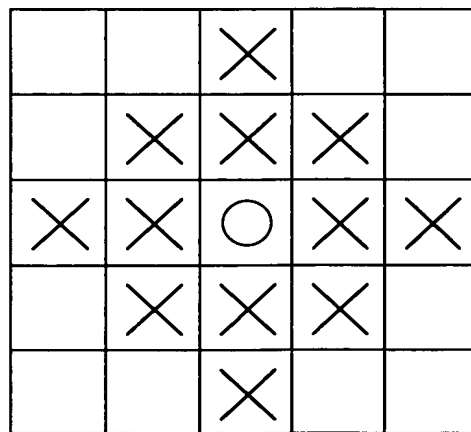


FIG. 11B

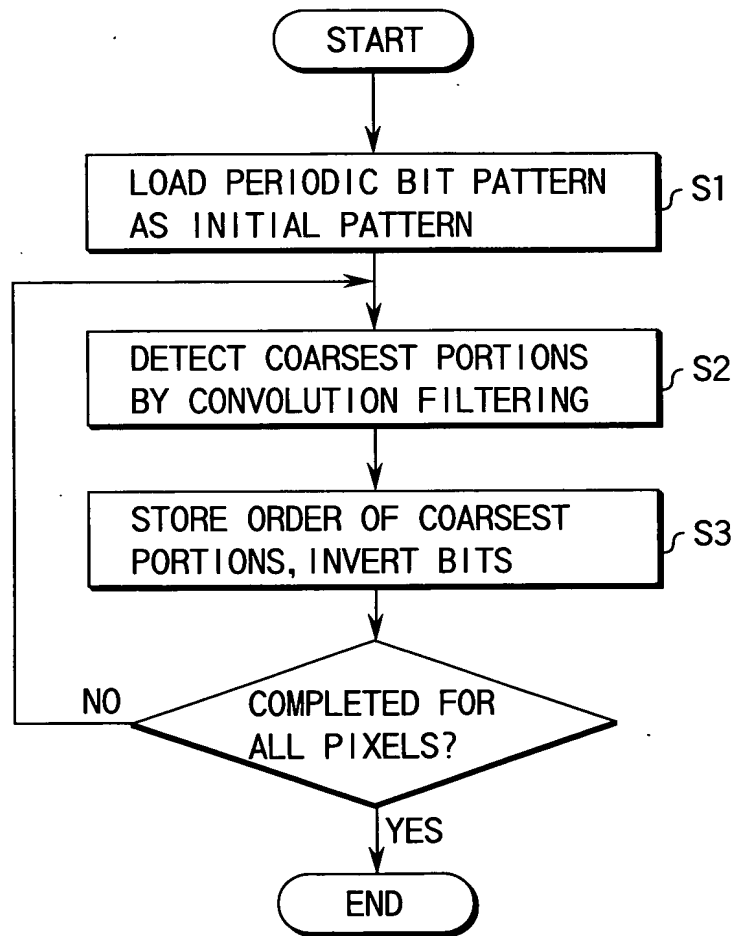
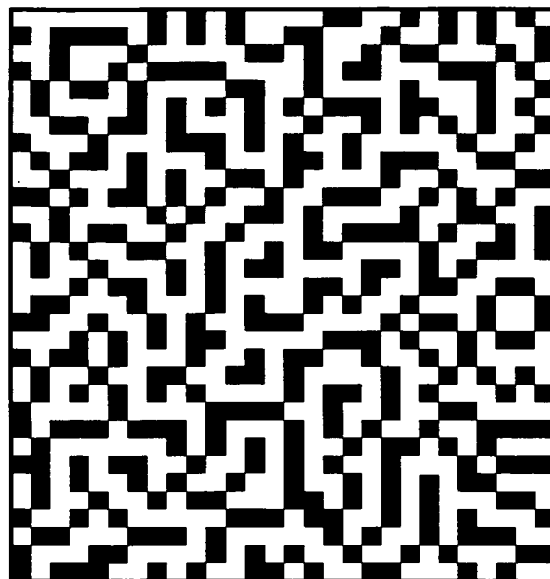


FIG. 12

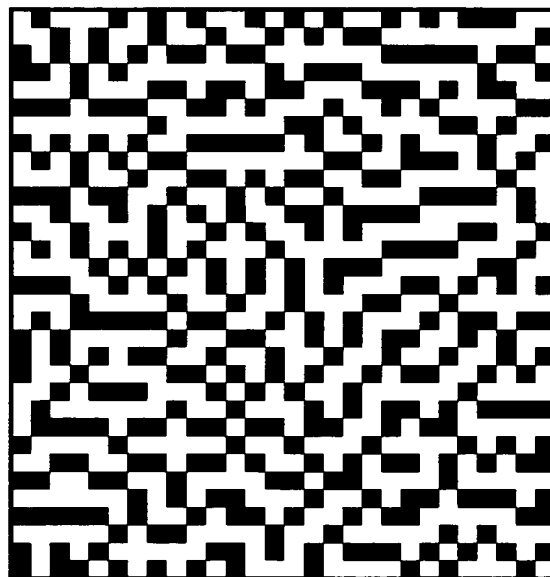
FIG. 13A



$$k_i = k_j$$

SMALL

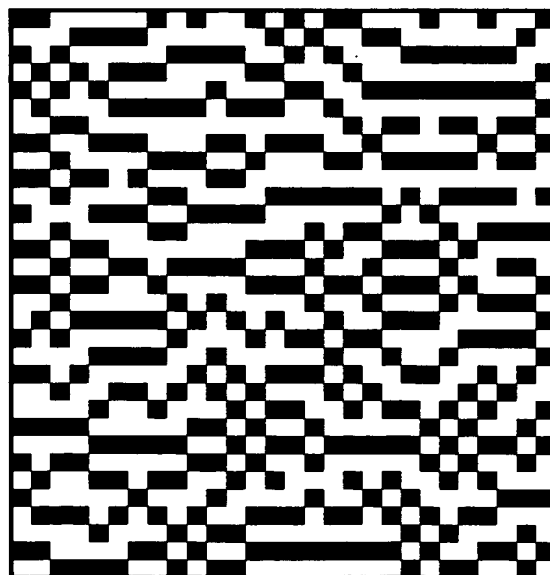
FIG. 13B



$$k_i < k_j$$

COUPLING
STRENGTH

FIG. 13C



$$k_i \ll k_j$$

LARGE

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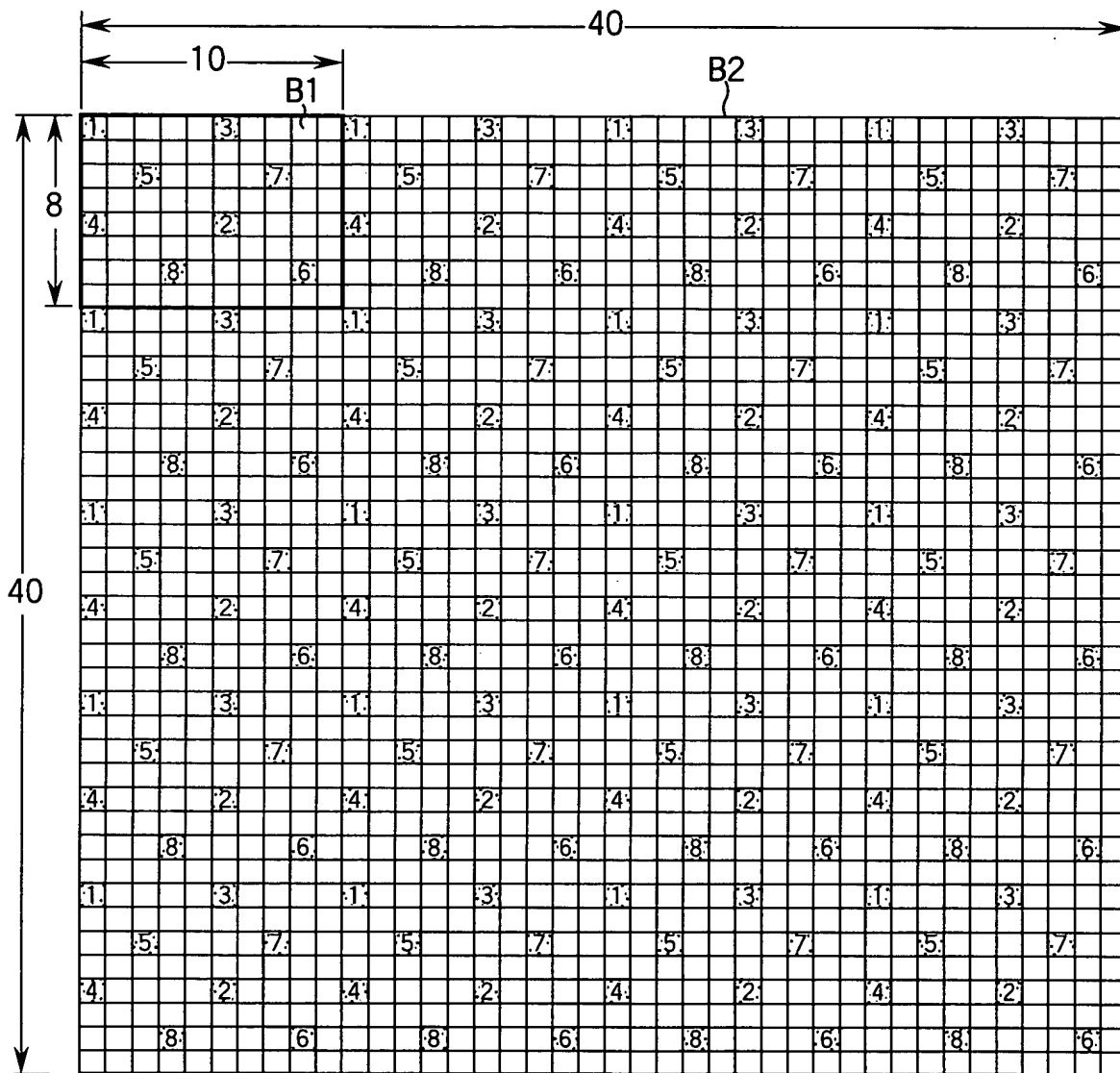


FIG. 14

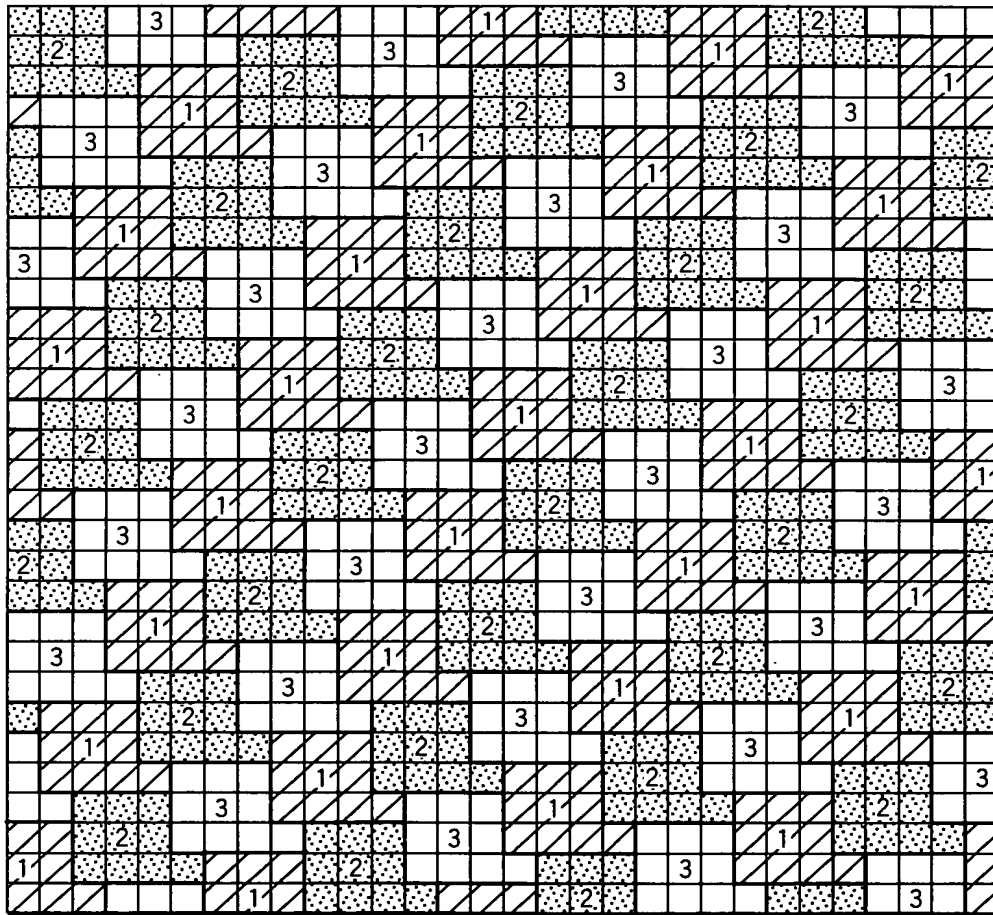


FIG. 15

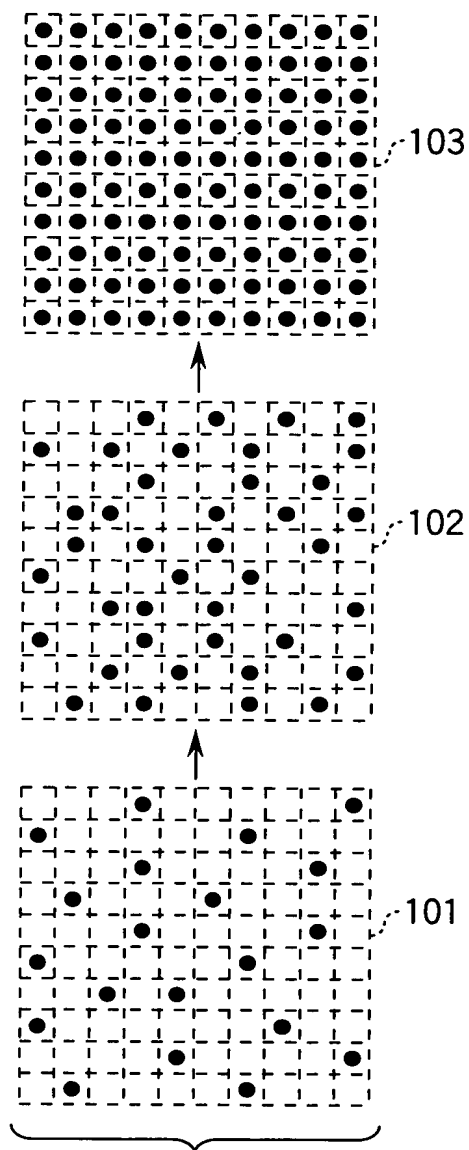


FIG. 16A

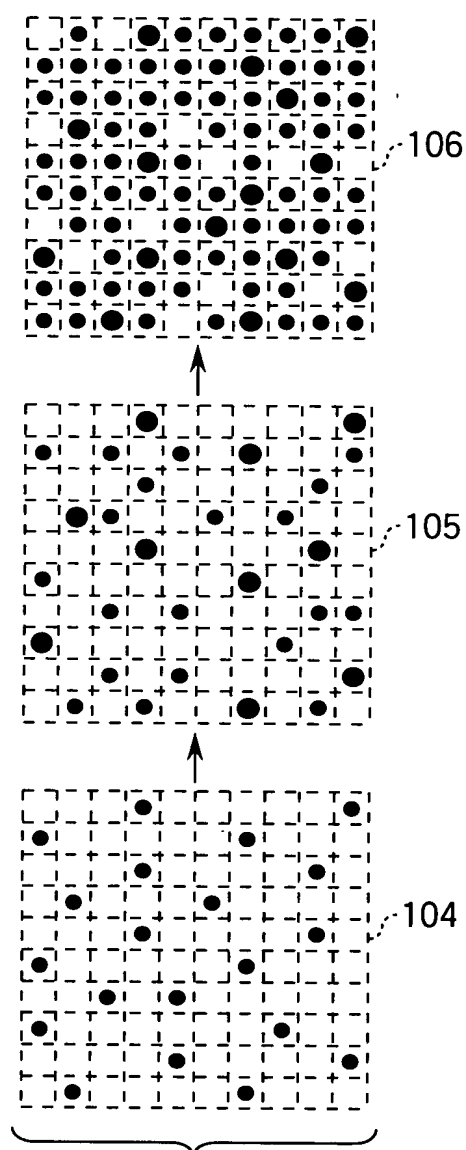


FIG. 16B

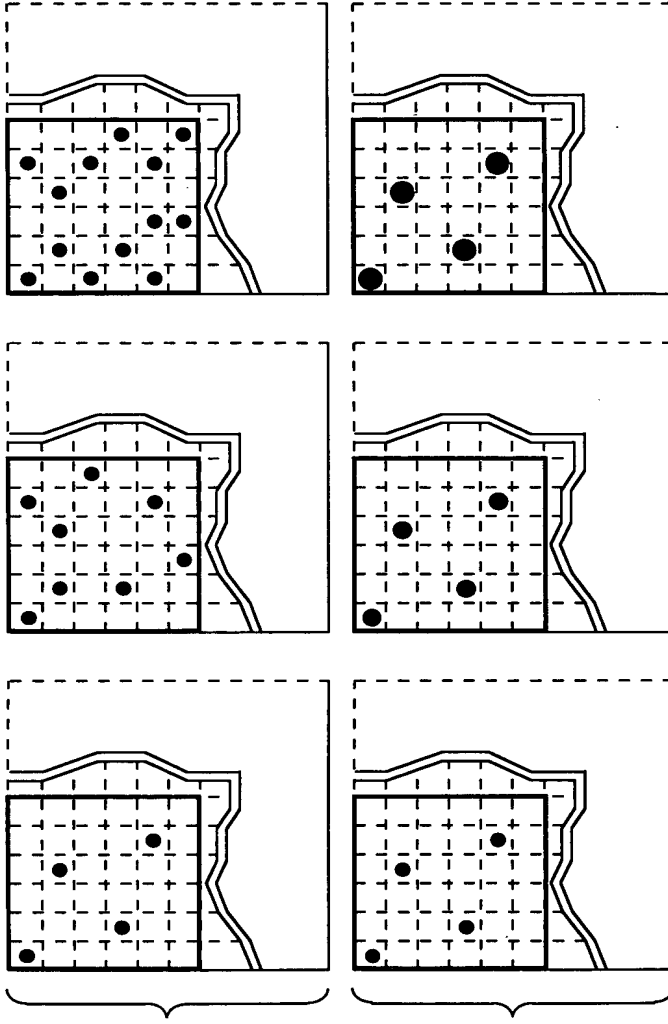


FIG. 17A

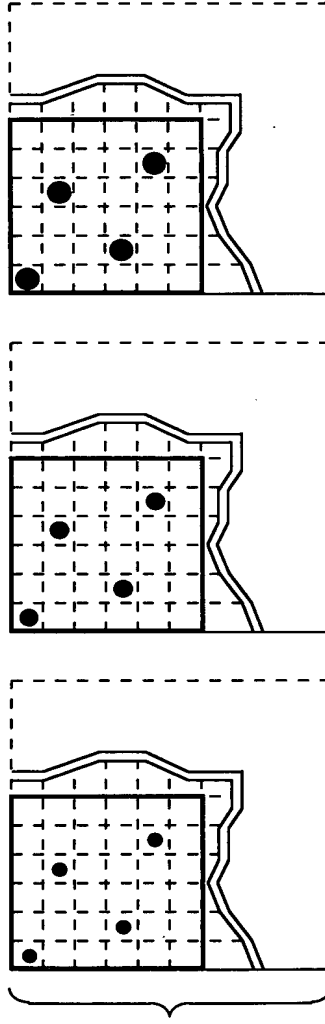


FIG. 17B

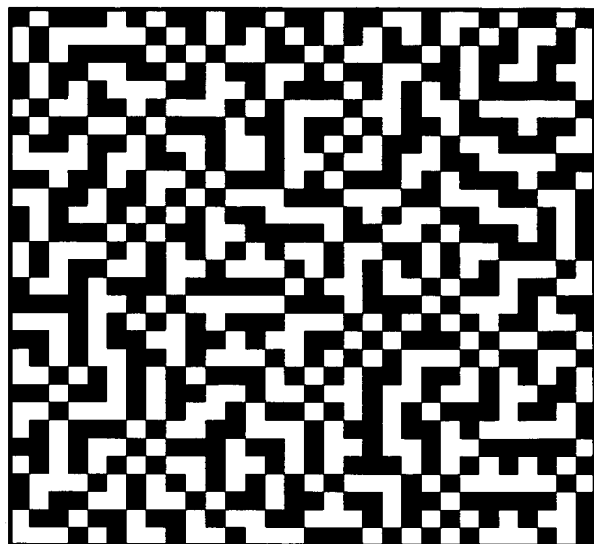
[illegible]

FIG. 18

REFERENCE THRESHOLD

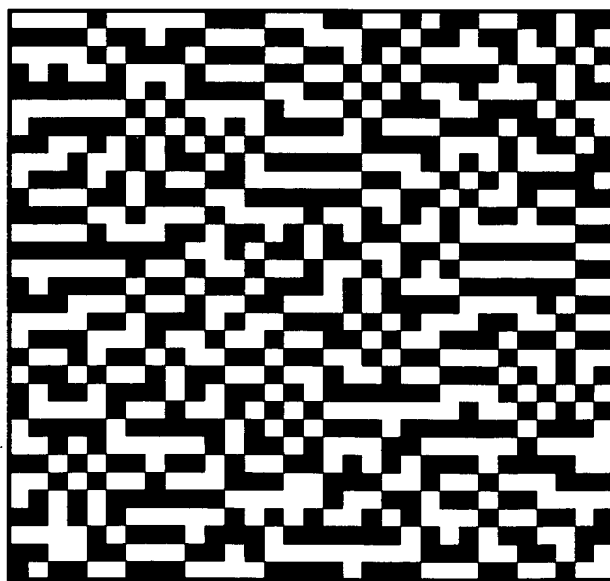
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
2	37	38	39	40	41	42	43	44	45	46	47	18	19	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	157	158	159	160	161	162		
3	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	151	152	153	154	155	156	187	188	189	190	191	192		
4	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	145	146	147	148	149	150	181	182	183	184	185	186	211	212	213	214	215	216		
5	109	110	111	112	113	114	115	116	117	118	119	120	139	140	141	142	143	144	175	176	177	178	179	180	205	206	207	208	209	210	229	230	231	232	233	234		
6	121	122	123	124	125	126	133	134	135	136	137	138	169	170	171	172	173	174	199	200	201	202	203	204	223	224	225	226	227	228	229	242	243	244	245	246		
7	127	128	129	130	131	132	163	164	165	166	167	168	193	194	195	196	197	198	217	218	219	220	221	222	235	236	237	238	239	240	247	248	249	250	251	252		
THRESHOLD PLANE																																						

FIG. 20



ANISOTROPIC

FIG. 22A



NON-ANISOTROPIC

FIG. 22B

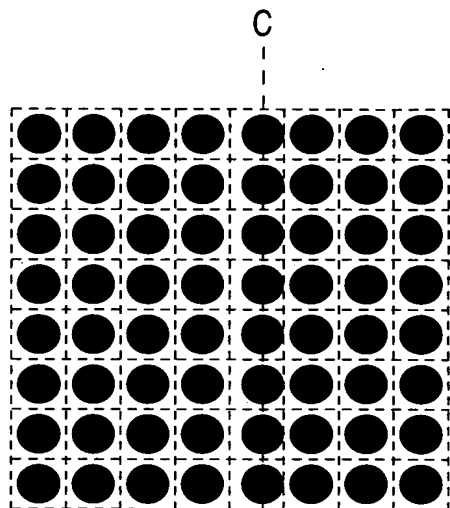


FIG. 23A

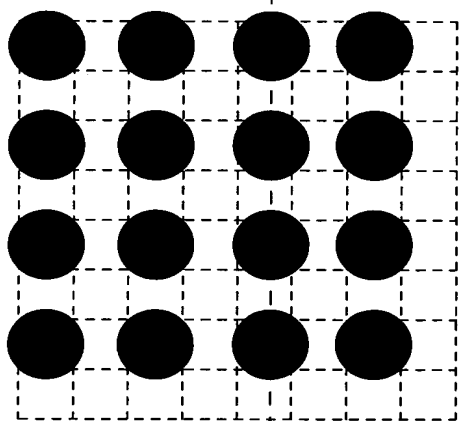


FIG. 23B

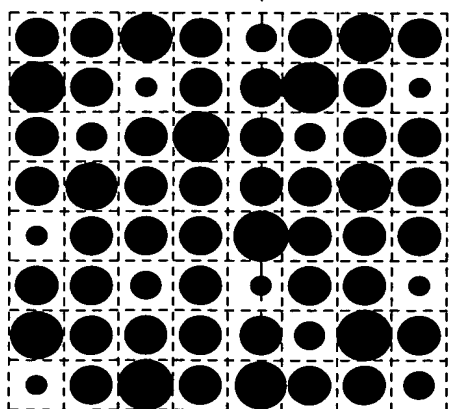


FIG. 23C

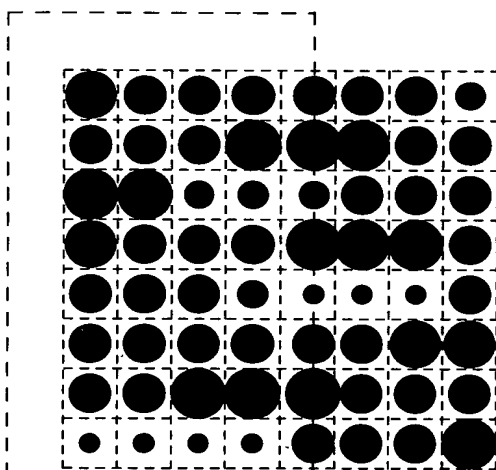


FIG. 23D

C

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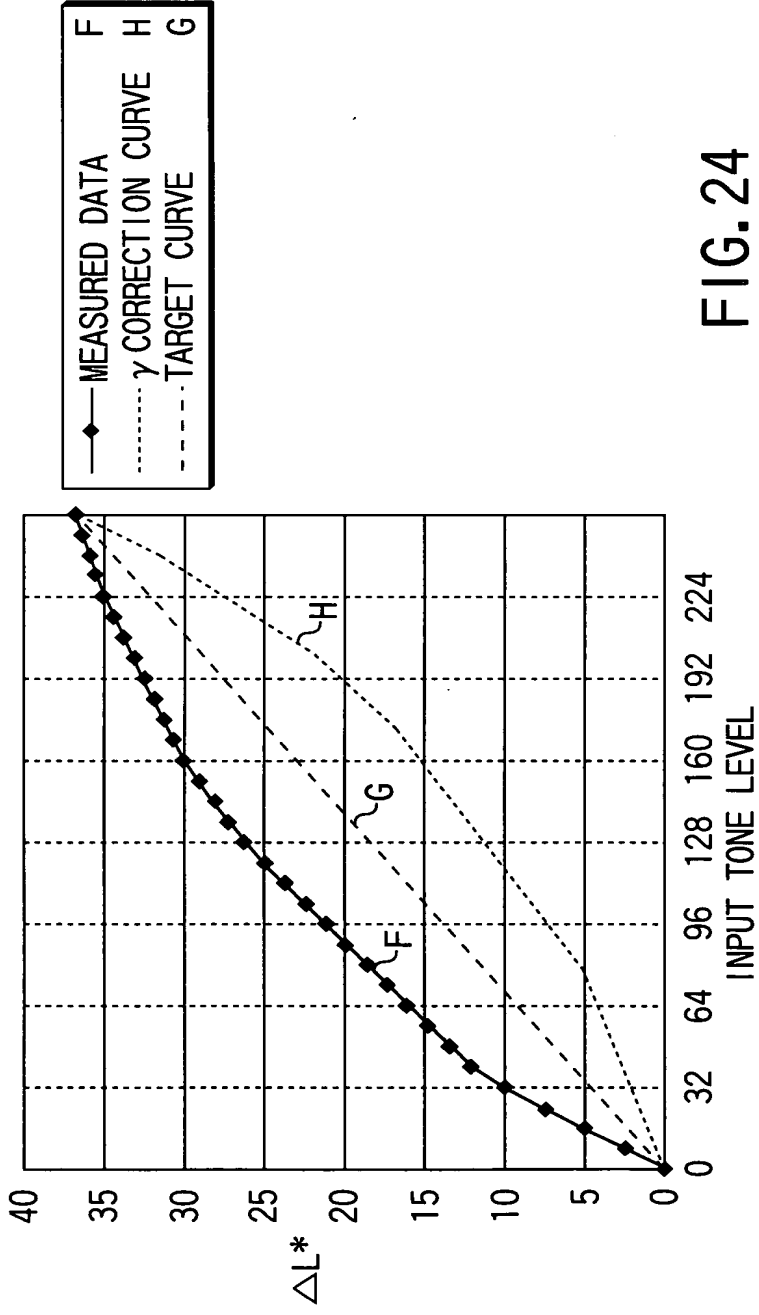


FIG. 24

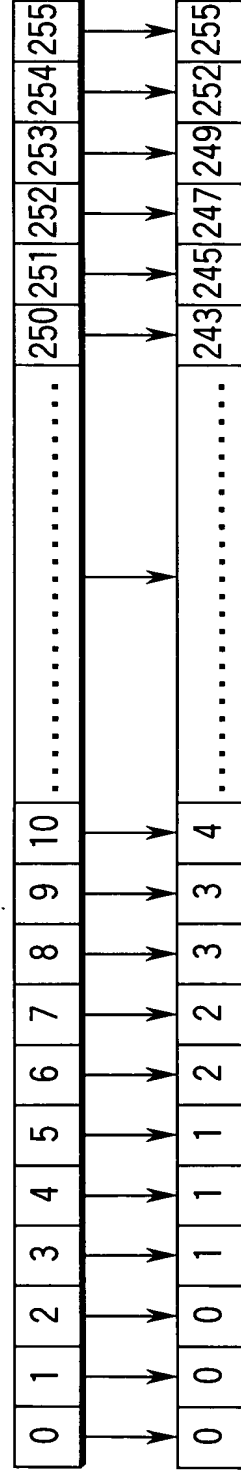


FIG. 25

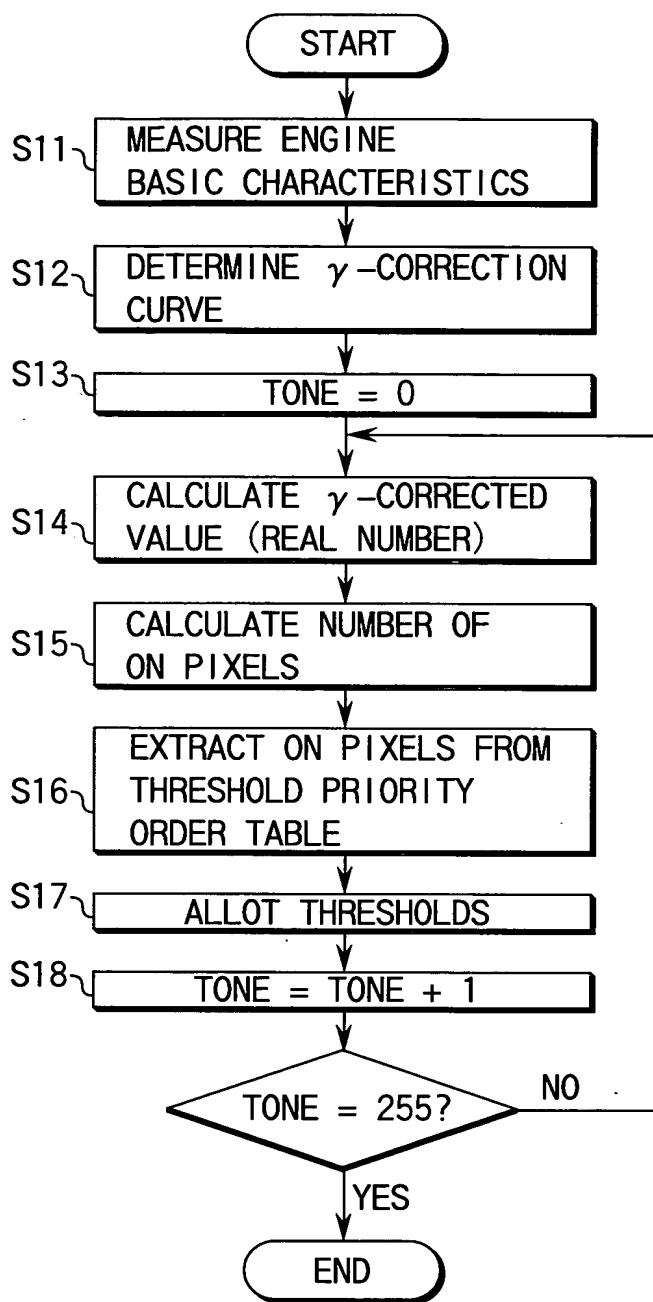


FIG. 26A

INPUT VALUE	0	1	2	3	4	5	6	7
BEFORE γ CORRECTION	0	4	4	4	4	4	4	4
AFTER γ CORRECTION (ACTUAL NUMBER)	0	0.6	1	1.5	2	2.8	3.8	5
ON NUMBER (INTEGER)	0	2	2	2	2	3	4	4

FIG. 26B

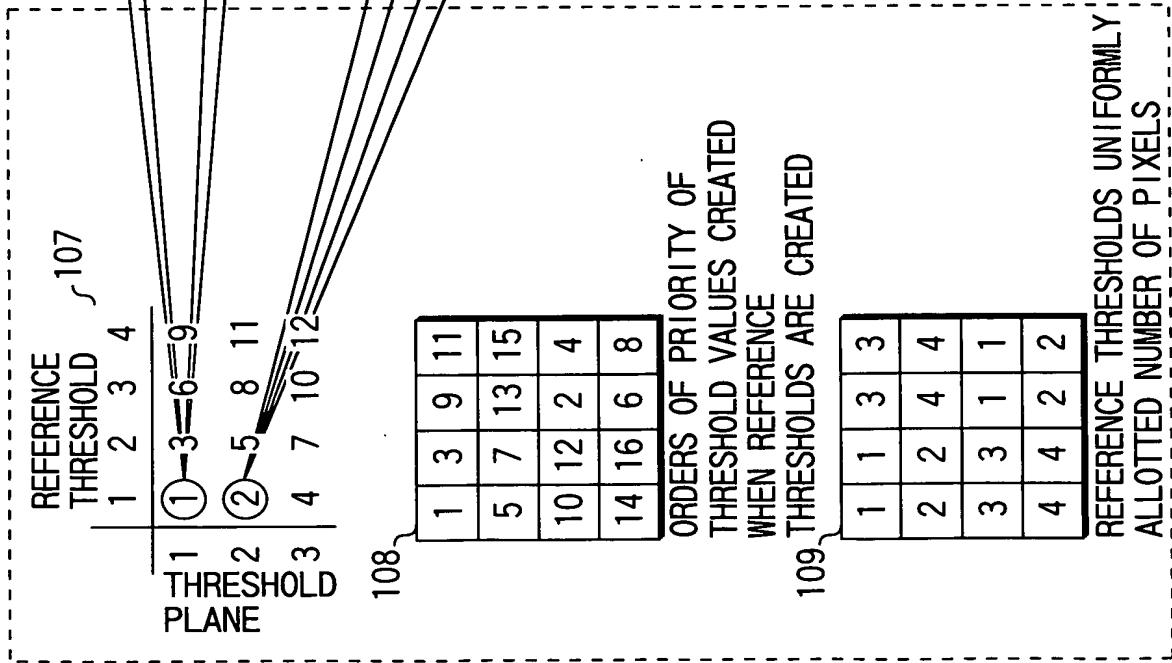


FIG. 27A

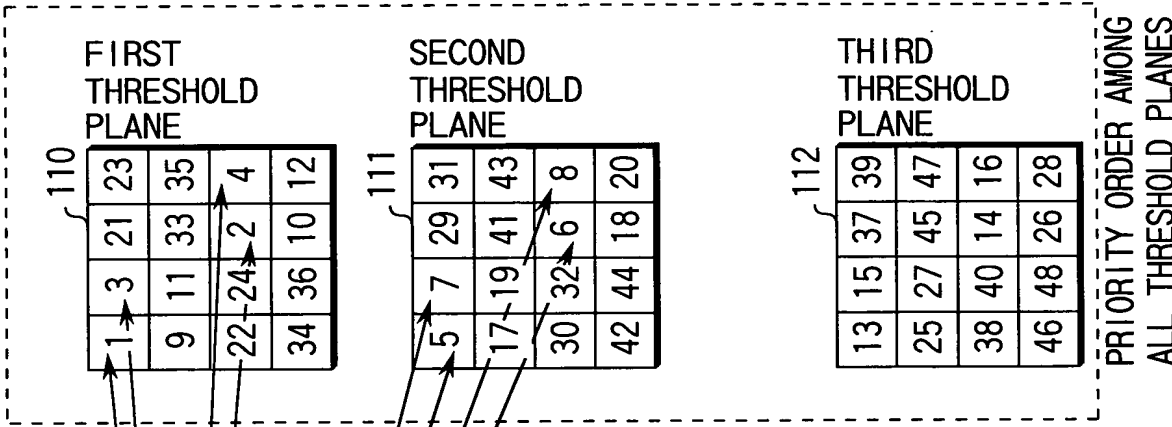


FIG. 27B

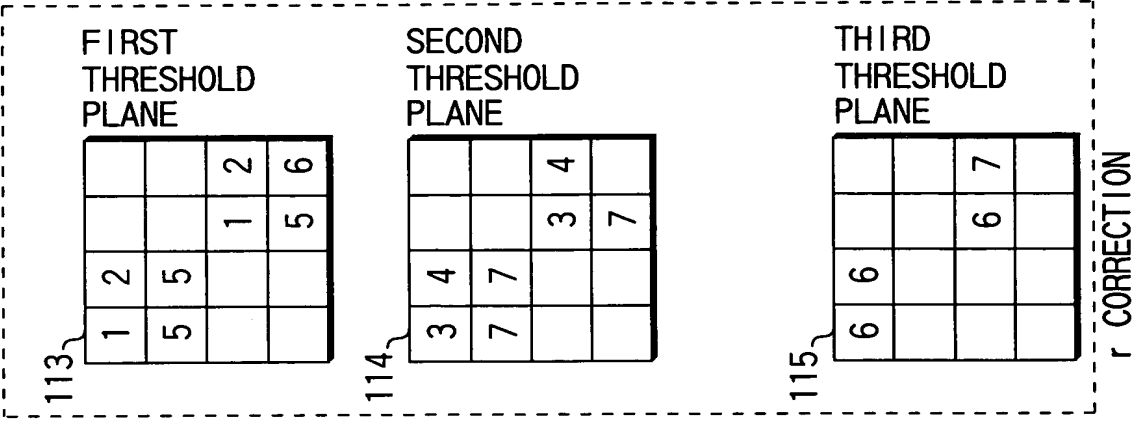


FIG. 27C

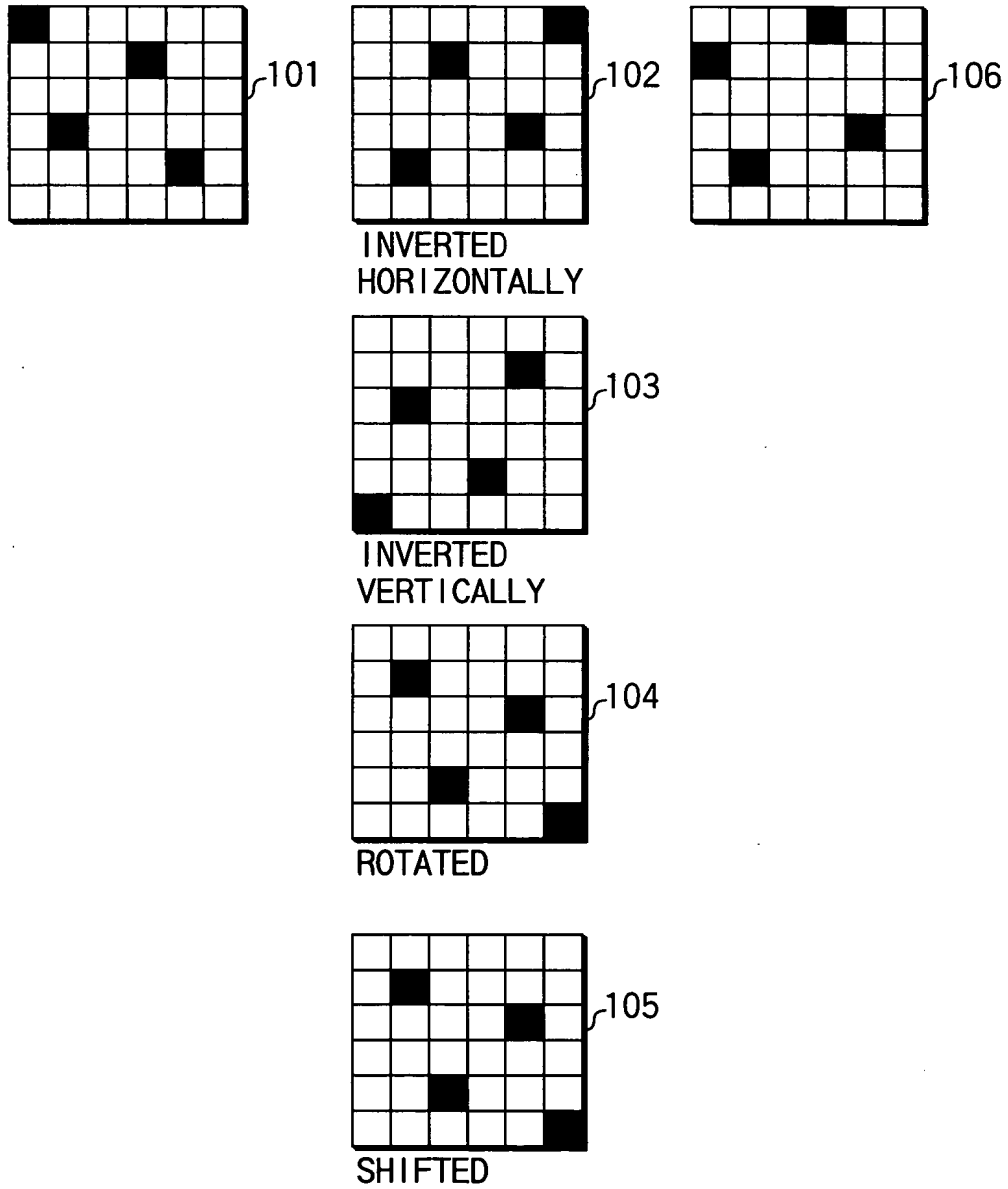


FIG. 28

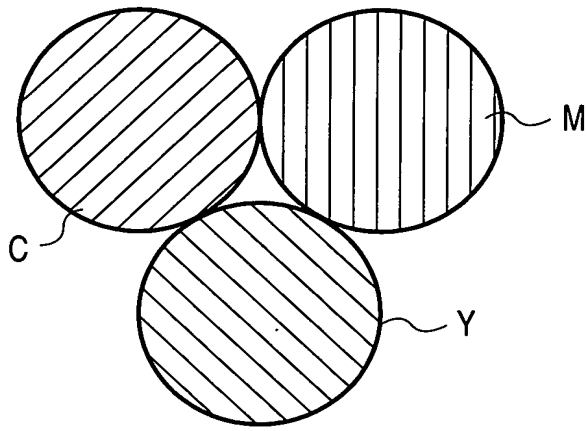


FIG. 29A

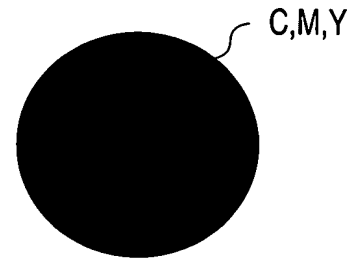


FIG. 29B

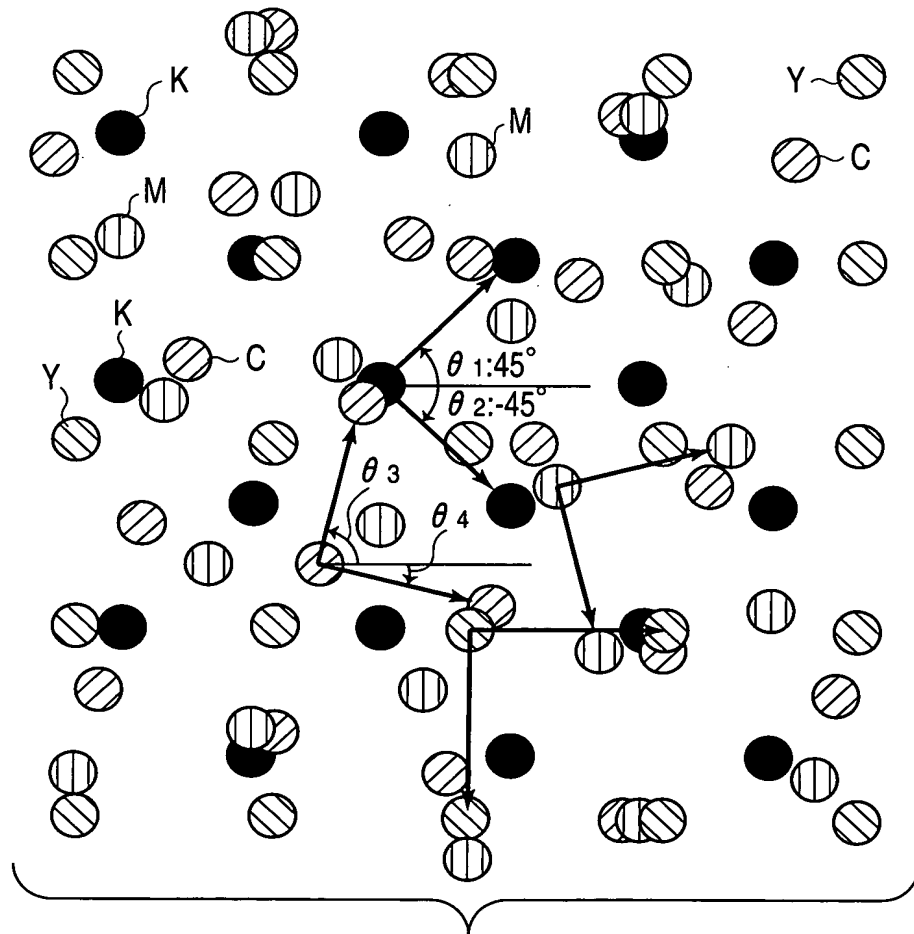


FIG. 30

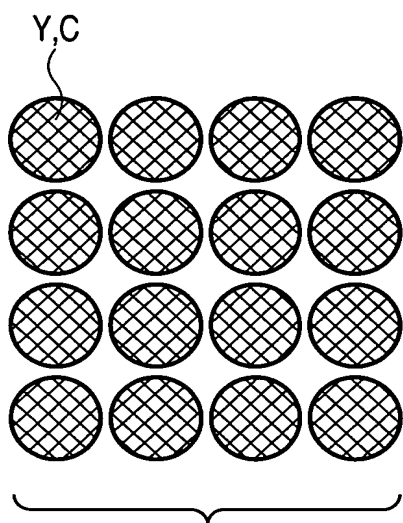


FIG. 31A

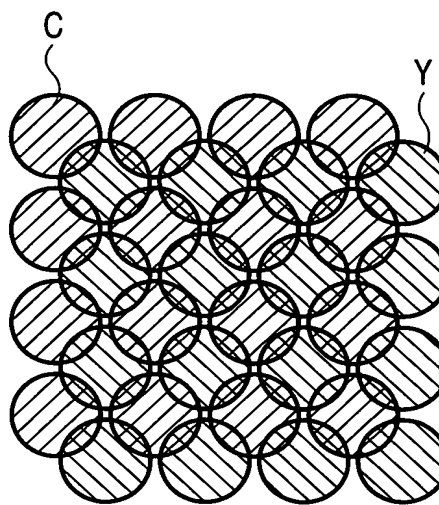


FIG. 31B

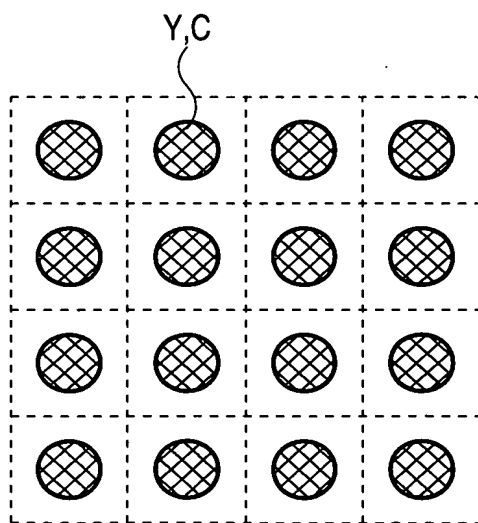


FIG. 32A

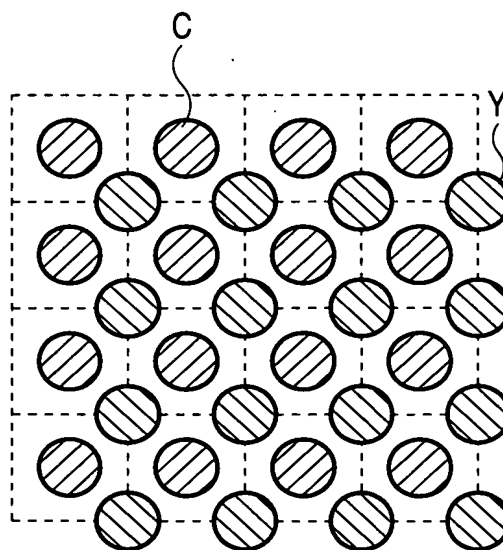


FIG. 32B

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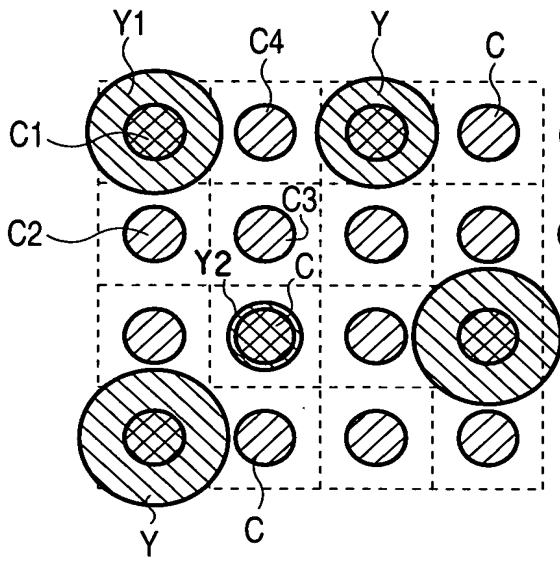


FIG. 33A

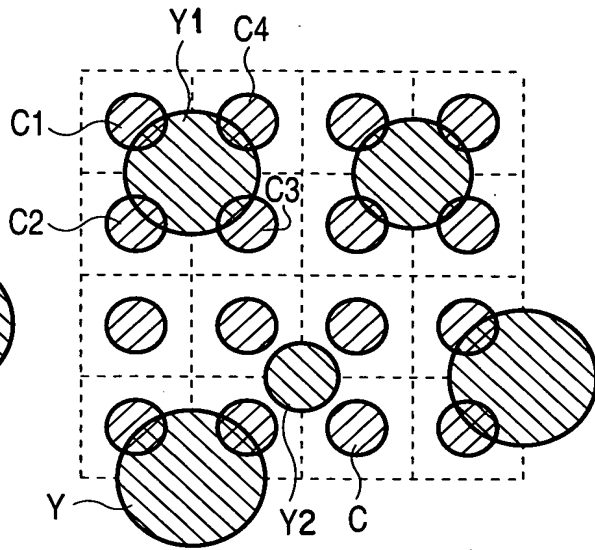


FIG. 33B

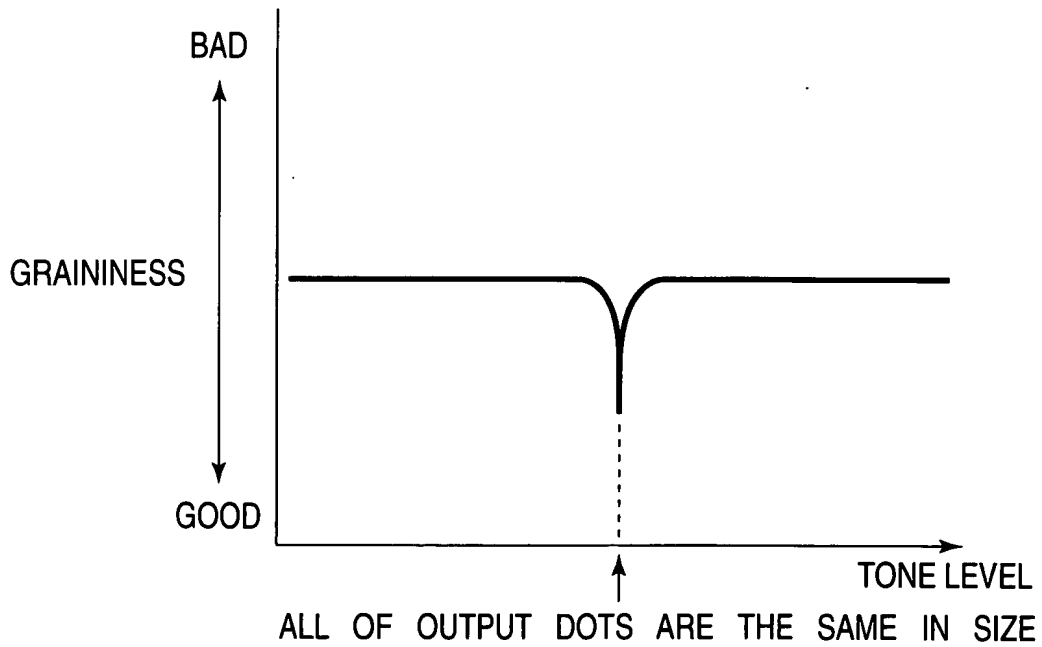


FIG. 34

FIG. 35A

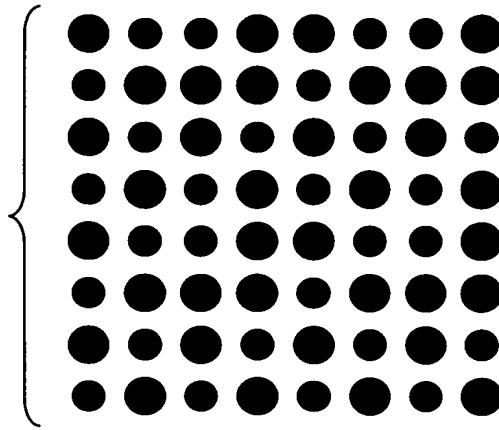


FIG. 35B

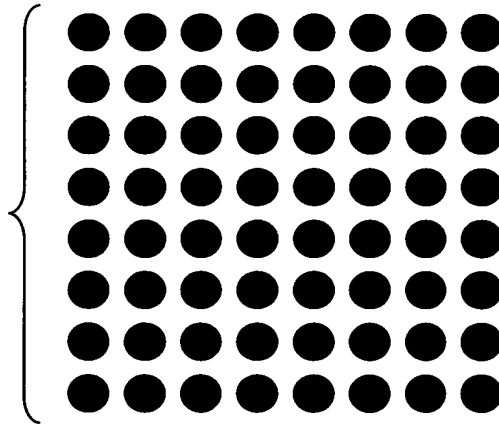


FIG. 35C

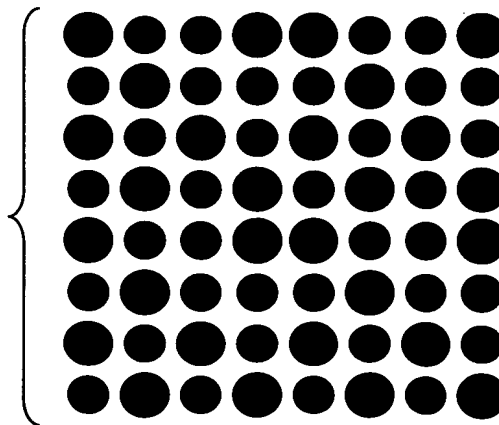


FIG. 36A

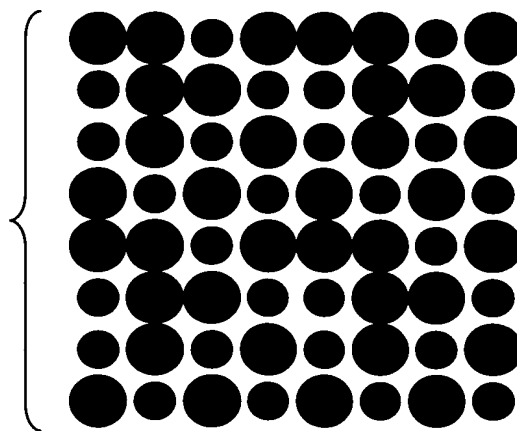


FIG. 36B

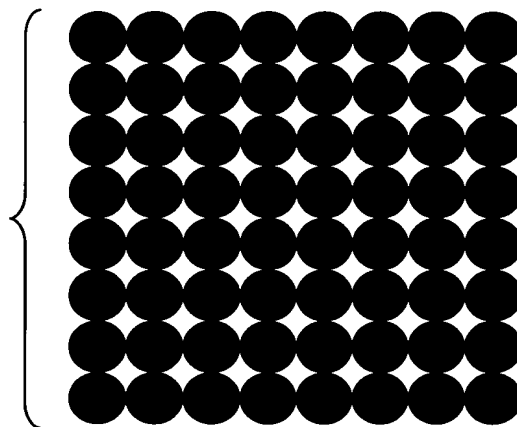
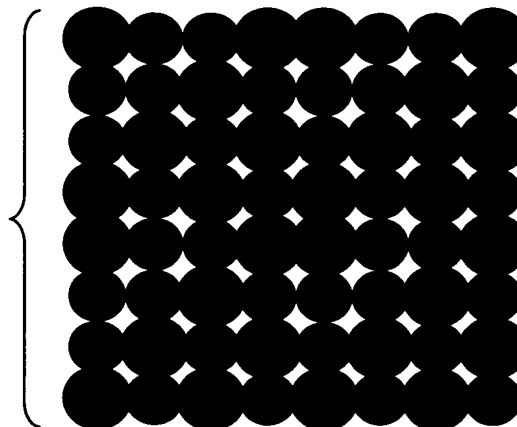


FIG. 36C

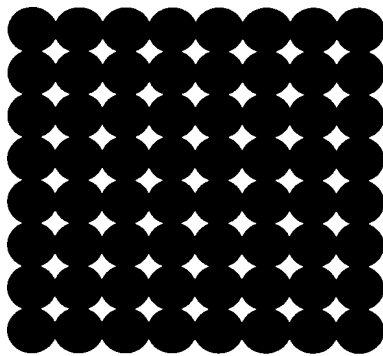


		REFERENCE THRESHOLD							
		1	2	3	4	5	6	7	8
THRESHOLD PLANE	1	1	2	3	4	5	6	9	10
	2	7	8	11	12	13	14	17	18
	3	15	16	19	20	21	22	25	26
	4	23	24	27	28	29	30	33	34
	5	31	32	35	36	37	38	41	42
	6	39	40	43	44	45	46	49	50
	7	47	48	51	52	53	54	55	56

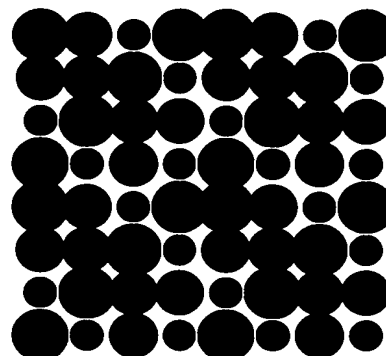
		REFERENCE THRESHOLD							
		1	2	3	4	5	6	7	8
THRESHOLD PLANE	1	1	2	3	4	5	9	10	11
	2	6	7	8	12	13	17	18	19
	3	14	15	16	20	21	25	26	27
	4	22	23	24	28	29	33	34	35
	5	30	31	32	36	37	41	42	43
	6	38	39	40	44	45	49	50	51
	7	46	47	48	52	53	54	55	56

		REFERENCE THRESHOLD							
		1	2	3	4	5	6	7	8
THRESHOLD PLANE	1	1	2	3	4	5	6	7	9
	2	8	10	11	12	13	14	15	17
	3	16	18	19	20	21	22	23	25
	4	24	26	27	28	29	30	31	33
	5	32	34	35	36	37	38	39	44
	6	40	42	43	44	45	46	47	49
	7	48	50	51	52	53	54	55	56

FIG. 37C



F I G. 38A



F I G. 38B

		REFERENCE THRESHOLD							
		1	2	3	4	5	6	7	8
THRESHOLD PLANE	1	1	2	3	4	5	6	15	16
	2	7	8	11	12	13	14	23	24
	3	9	10	19	20	21	22	31	32
	4	17	18	27	28	29	30	39	40
	5	25	26	35	36	37	38	47	48
	6	33	34	43	44	45	46	53	54
	7	41	42	49	50	51	52	55	56

F I G. 39A

		REFERENCE THRESHOLD							
		1	2	3	4	5	6	7	8
THRESHOLD PLANE	1	1	2	3	4	5	9	10	12
	2	11	13	14	15	16	17	18	20
	3	19	21	22	23	24	25	28	29
	4	26	27	30	31	32	33	36	37
	5	34	35	38	39	40	44	45	46
	6	41	42	43	47	48	52	53	54
	7	49	50	51	55	56	57	58	59

F I G. 39B

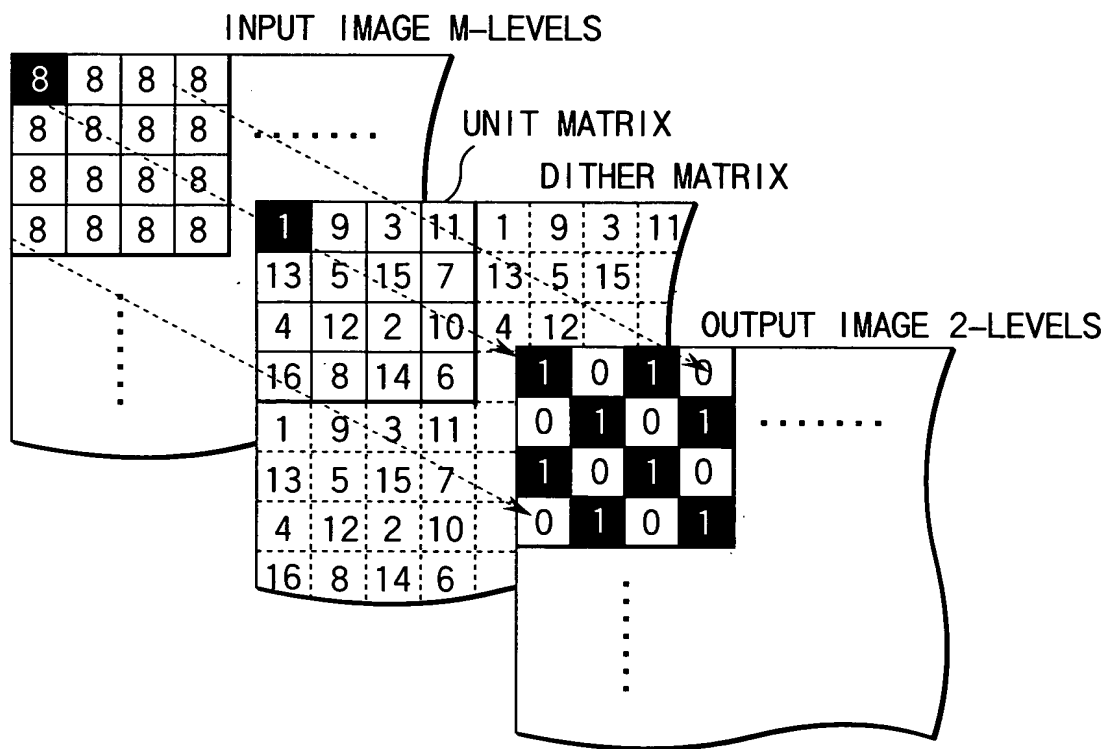


FIG. 41

BI-LEVEL OUTPUT PATTERN

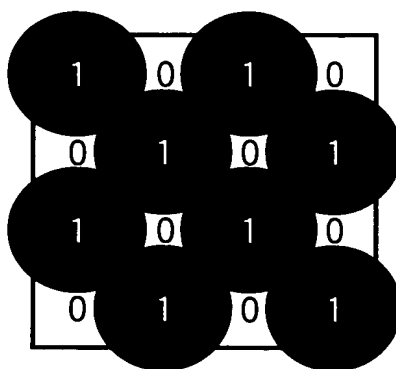


FIG. 42

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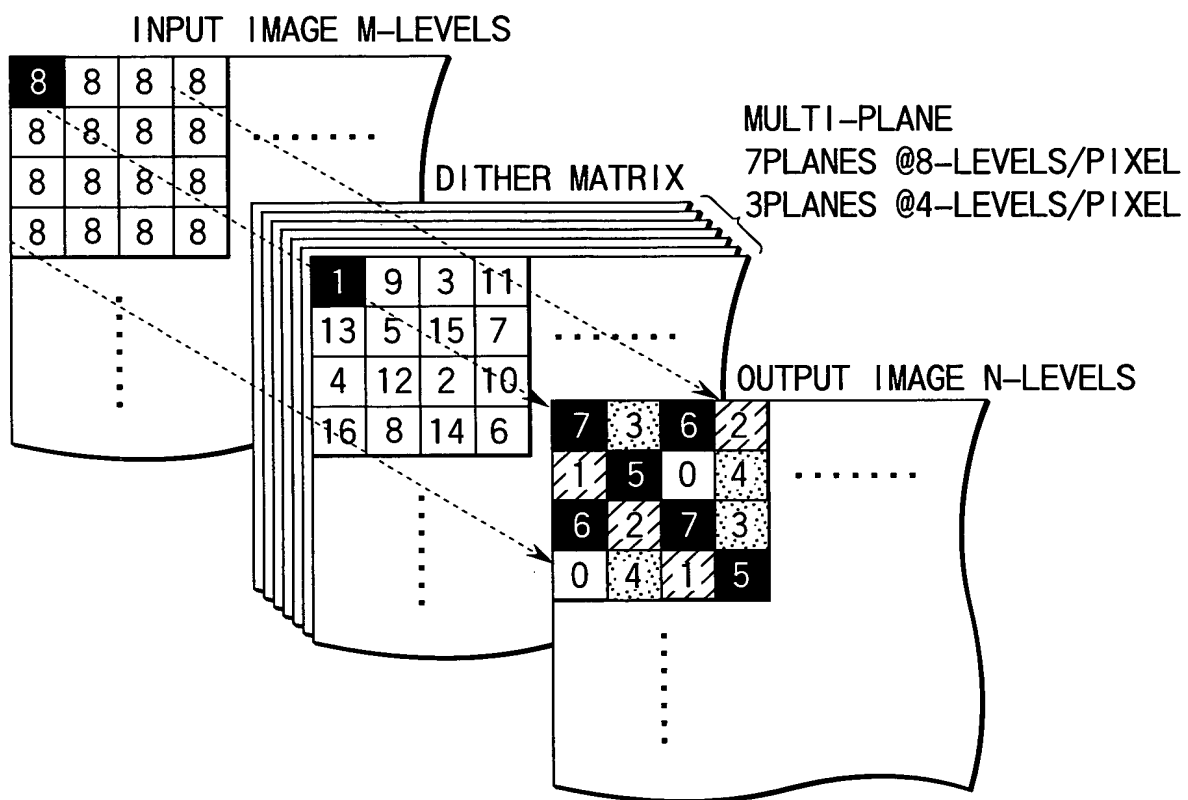


FIG. 43

8-LEVEL OUTPUT PATTERN

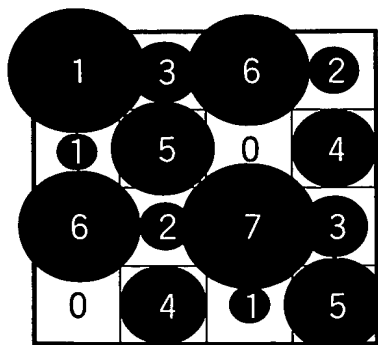
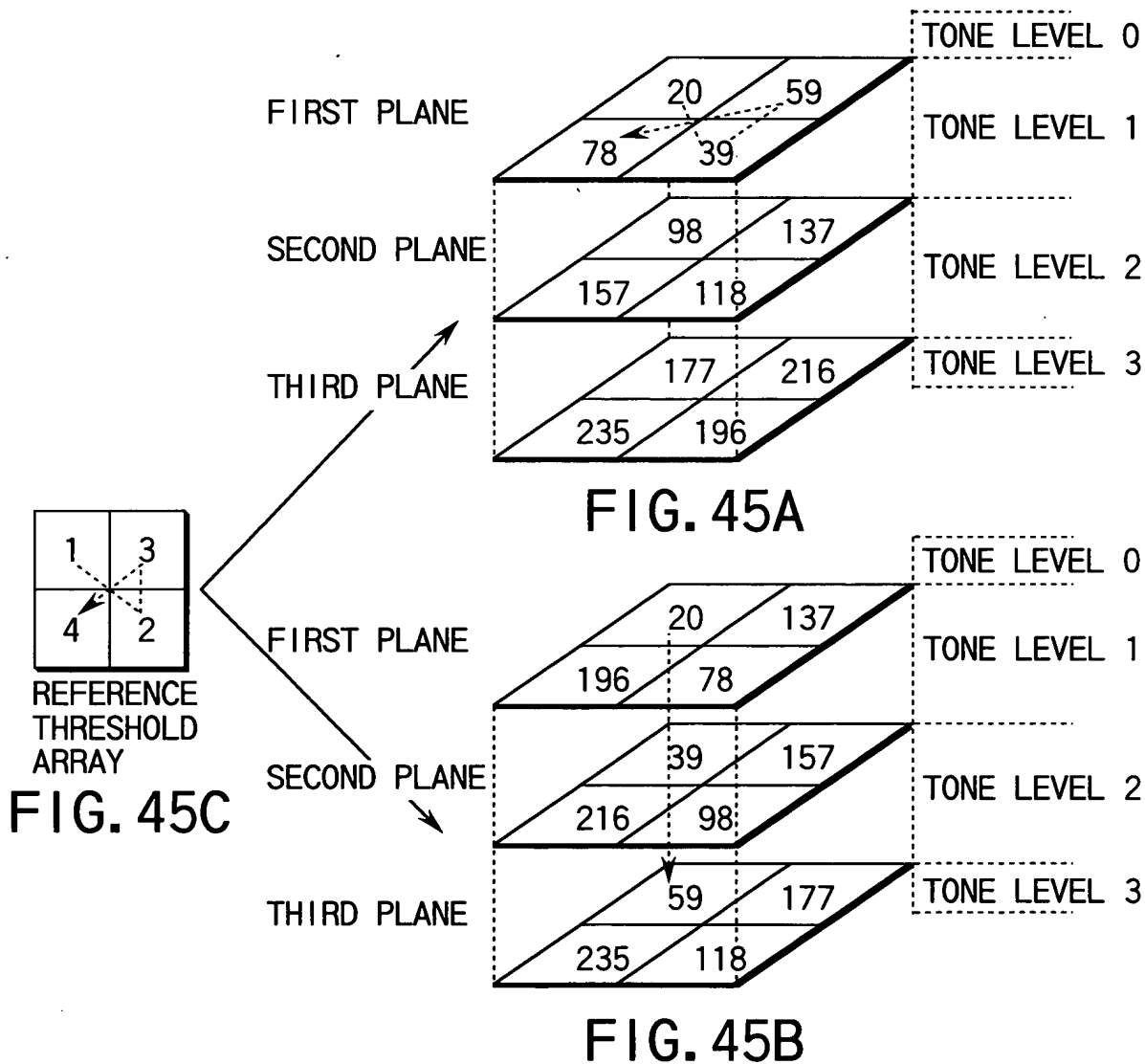


FIG. 44



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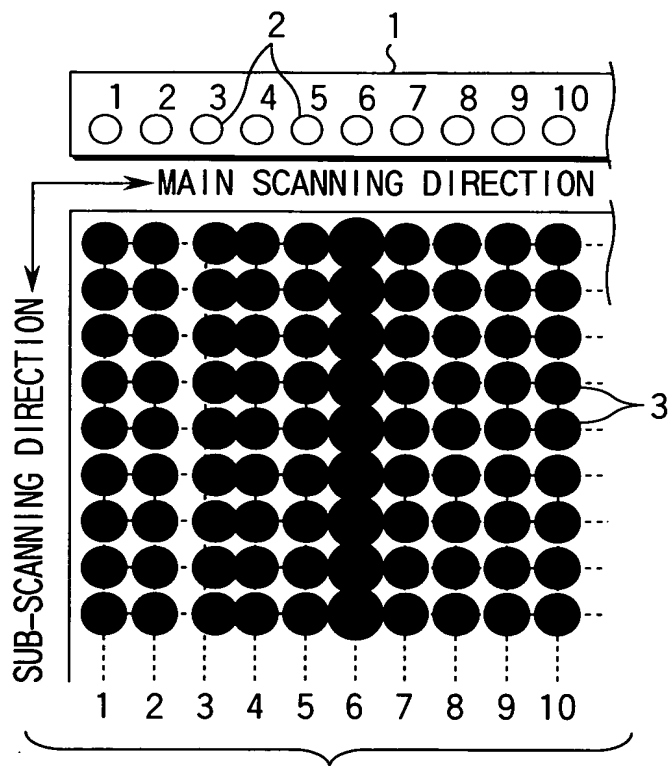


FIG. 46